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FIBER ORGANON

Formerly Textile Organon

Volume 61, No. 10 ☐ October 1990

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Mill Consumption in Selected Countries... see page 223.
- Selected U.S. Exports by Country of Destination... see pages 226 - 227.
- U.S. Production of Hosiery... see page 228.
- Quarterly Manufactured Fiber Data... see pages 232 - 233.

SHIPMENTS:

In September, total manufactured fiber shipments reached 748 million pounds, 3% below the 769 million pounds shipped in August and 2% above the 733 million pounds shipped in September 1989.

September shipments of synthetic (noncellulosic) filament yarn fell 2% to 368 million pounds and staple+tow fell 4% to 338 million pounds.

Contributing to the decrease in shipments over the previous month were nylon carpet yarn down 9% or 8 million pounds, acrylic staple+tow down 8% or 3 million pounds and nylon staple down 7% or 6 million pounds.

Year-to-date domestic shipments of manufactured fiber are down 4% and exports are up 2%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1990 SEP	1990 AUG	% CHG 9/90-8/90	1989 SEP	% CHG 9/90-9/89	YEAR TO DATE 1990	YEAR TO DATE 1989	% CHG YTD 1990-1989
ARTIFICIAL (CELLULOSIC)								
YARN	17.6	17.3	*+1.7*	17.3	*+1.7*	154.3	165.0	*-6.5*
RAYON STAPLE	25.3	25.0	*+1.2*	26.7	*-5.2*	232.7	281.1	*-17.2*
TOTAL ARTIFICIAL (CELL.)	**42.9**	**42.3**	***+1.4***	**44.0**	***-2.5***	**387.0**	**446.1**	***-13.2***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	32.5	30.6	*+6.2*	28.6	*+13.6*	256.4	275.2	*-6.8*
- CARPET	80.7	88.4	*-8.7*	88.7	*-9.0*	732.2	728.2	*+0.5*
- TEXTILE [a]	31.9	31.0	*+2.9*	32.7	*-2.4*	274.2	301.5	*-9.1*
POLYESTER - INDUSTRIAL	28.5	29.6	*-3.7*	29.2	*-2.4*	267.1	276.1	*-3.3*
- TEXTILE [a]	65.2	68.9	*-5.4*	58.5	*+11.5*	563.7	626.0	*-10.0*
OLEFIN	128.7	128.2	*+0.4*	107.0	*+20.3*	1085.6	943.9	*+15.0*
TOTAL YARN	**367.5**	**376.7**	***-2.4***	**344.7**	***+6.6***	**3179.2**	**3150.9**	***+0.9***
STAPLE+TOW+FIBERFILL								
NYLON	81.9	87.7	*-6.6*	85.5	*-4.2*	741.1	736.7	*+0.6*
ACRYLIC+MODACRYLIC	42.1	45.5	*-7.5*	44.1	*-4.5*	376.0	414.2	*-9.2*
POLYESTER	179.2	180.0	*-0.4*	182.0	*-1.5*	1559.9	1789.7	*-12.8*
OLEFIN	34.6	36.9	*-6.2*	33.1	*+4.5*	311.1	286.7	*+8.5*
TOTAL STAPLE	**337.8**	**350.1**	***-3.5***	**344.7**	***-2.0***	**2988.1**	**3227.3**	***-7.4***
TOTAL SYNTHETIC (NONCELL.)	**705.3**	**726.8**	***-3.0***	**689.4**	***+2.3***	**6167.3**	**6378.2**	***-3.3***
TOTAL MANUFACTURED FIBER	**748.2**	**769.1**	***-2.7***	**733.4**	***+2.0***	**6554.3**	**6824.3**	***-4.0***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	694.8	724.4	*-4.1*	696.4	*-0.2*	6173.0	6448.8	*-4.3*
EXPORTS [c]	53.4	44.7	*+19.5*	37.0	*+44.3*	381.3	375.5	*+1.5*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

Fiber Organon

A Monthly Review

October 1990

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TABLE 2:
MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL IN SELECTED COUNTRIES

MILLION POUNDS & *PERCENT*

YEAR	GRAND TOTAL		COTTON		WOOL		MANUF. FIBERS		MANUFACTURED FIBER DETAIL							
									ARTIFICIAL (CELL.)				SYNTHETIC (NONCELL.)			
									TOTAL		YARN	STAPLE	TOTAL		YARN	STAPLE
	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	LBS	LBS	%[a]	LBS	LBS
U.S.A.[b]																
1982	9263	*100*	2479	*26.8*	130	*1.4*	6654	*71.8*	522	*5.6*	206	316	6132	*66.2*	2918	3214
1983	10954	*100*	2796	*25.5*	163	*1.5*	7995	*73.0*	599	*5.5*	242	357	7396	*67.5*	3434	3962
1984	10621	*100*	2668	*25.1*	163	*1.5*	7790	*73.4*	588	*5.6*	228	360	7202	*67.8*	3399	3803
1985	10967	*100*	2796	*25.5*	135	*1.2*	8036	*73.3*	546	*5.0*	201	345	7490	*68.3*	3664	3826
1986	11920	*100*	3302	*27.7*	165	*1.4*	8453	*70.9*	608	*5.1*	209	399	7845	*65.8*	3747	4098
1987	12767	*100*	3737	*29.3*	168	*1.3*	8862	*69.4*	586	*4.6*	180	406	8276	*64.8*	3927	4349
1988	12644	*100*	3470	*27.5*	156	*1.2*	9018	*71.3*	613	*4.8*	200	413	8405	*66.5*	4046	4359
1989	13067	*100*	3937	*30.1*	154	*1.2*	8976	*68.7*	600	*4.6*	213	387	8376	*64.1*	4094	4282
CANADA[c]																
1982	442	*100*	88	*19.9*	12	*2.7*	342	*77.4*	63	*14.3*			279	*63.1*		
1983	560	*100*	121	*21.6*	15	*2.7*	424	*75.7*	60	*10.7*	DETAIL		364	*65.0*	DETAIL	
1984	579	*100*	121	*20.9*	14	*2.4*	444	*76.7*	59	*10.2*	NOT		385	*66.5*	NOT	
1985	595	*100*	106	*17.8*	16	*2.7*	473	*79.5*	53	*8.9*	AVAILABLE		420	*70.6*	AVAILABLE	
1986	686	*100*	119	*17.3*	18	*2.7*	549	*80.0*	69	*10.0*			480	*70.0*		
1987	661	*100*	95	*14.4*	15	*2.3*	551	*83.3*	51	*7.7*			500	*75.6*		
1988	651	*100*	92	*15.3*	14	*2.1*	545	*82.6*	49	*7.5*			496	*76.2*		
1989	DATA NOT AVAILABLE															
JAPAN[d]																
1982	4656	*100*	1580	*33.9*	249	*5.4*	2827	*60.7*	530	*11.4*	152	378	2297	*49.3*	1165	1132
1983	4669	*100*	1573	*33.7*	227	*4.8*	2869	*61.5*	531	*11.4*	137	394	2338	*50.1*	1197	1141
1984	4775	*100*	1527	*32.0*	252	*5.3*	2996	*62.7*	550	*11.5*	145	405	2446	*51.2*	1253	1193
1985	4706	*100*	1487	*31.6*	263	*5.6*	2956	*62.8*	535	*11.4*	143	392	2421	*51.4*	1236	1185
1986	4675	*100*	1646	*35.2*	244	*5.2*	2785	*59.6*	508	*10.9*	136	372	2277	*48.7*	1169	1108
1987	4805	*100*	1646	*34.3*	271	*5.6*	2888	*60.1*	463	*9.6*	134	329	2425	*50.5*	1234	1191
1988	4889	*100*	1673	*34.2*	271	*5.6*	2945	*60.2*	464	*9.5*	141	323	2481	*50.7*	1320	1161
1989	4952	*100*	1599	*32.3*	269	*5.5*	3084	*62.2*	463	*9.3*	148	315	2621	*52.9*	1434	1187
EEC[e]																
1982	6967	*100*	1943	*27.9*	827	*11.9*	4197	*60.2*	921	*13.2*	282	639	3276	*47.0*	1320	1956
1983	7246	*100*	1960	*27.0*	815	*11.3*	4471	*61.7*	911	*12.6*	274	637	3560	*49.1*	1398	2162
1984	8918	*100*	2508	*28.1*	927	*10.4*	5483	*61.5*	1089	*12.2*	321	768	4394	*49.3*	1693	2701
1985	9299	*100*	2505	*26.9*	936	*10.1*	5858	*63.0*	1150	*12.4*	361	789	4708	*50.6*	1799	2909
1986	9546	*100*	2656	*27.8*	936	*9.8*	5954	*62.4*	1127	*11.8*	351	776	4827	*50.6*	1854	2973
1987	10151	*100*	3069	*30.2*	976	*9.7*	6106	*60.1*	1107	*10.9*	339	768	4999	*49.2*	1915	3084
1988	10117	*100*	2854	*28.2*	954	*9.5*	6309	*62.3*	1267	*12.5*	368	899	5042	*49.8*	2028	3014
1989	DATA NOT AVAILABLE															
TAIWAN[f]																
1982	2005	*100*	558	*27.8*	37	*1.9*	1410	*70.3*								
1983	2309	*100*	597	*25.9*	40	*1.7*	1672	*72.4*								
1984	2656	*100*	644	*24.2*	42	*1.6*	1970	*74.2*								
1985	3150	*100*	950	*30.2*	32	*1.0*	2168	*68.8*	DETAIL NOT AVAILABLE							
1986	3652	*100*	970	*26.6*	53	*1.4*	2629	*72.0*								
1987	3802	*100*	892	*23.5*	58	*1.5*	2852	*75.0*								
1988	3702	*100*	864	*23.3*	45	*1.3*	2793	*75.4*								
1989	3634	*100*	672	*18.5*	46	*1.3*	2916	*80.2*								

a. The percentages in these columns show the share of each fiber in the specified year. They add to the 100% shown in each of the Grand Total Columns.

b. Mill Consumption is taken from pages 72 and 73 of the 1990 April ***Fiber Organon.*** Glass and Other Fibers are excluded.

c. Mill Consumption is taken from page 95 of the 1990 May ***Fiber Organon.***

d. **Source:** Manufactured: Ministry of Trade and Information (MITI)
Cotton: Secretariat of the International Cotton Advisory Committee (raw fiber equivalent)
Wool: Commonwealth Secretariat International Wool Textile Organization

e. **Source:** C.I.R.F.S. The EEC Countries in this table are: Belgium, France, Italy, Luxembourg, Netherlands, Germany, Fed. Rep. of and the U.K.

f. **Source:** Manufactured: Taiwan Man-Made Fiber Industries Association
Cotton: Secretariat of the International Cotton Advisory Committee (raw fiber equivalent)
Wool: Commonwealth Secretariat International Wool Textile Organization

TABLE 3:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	THOUSAND POUNDS		THOUSAND DOLLARS	
	1989	6 MOS. 1990	1989	6 MOS. 1990
ARTIFICIAL (CELLULOSIC) FIBER				
FILAMENT YARN				
HIGH TENACITY	2456	1055	6366	3150
TEXTURED	1380	208	1776	319
OTHER	21400	9781	42097	21245
MONOFILAMENTS & STRIPS	1022	452	2089	670
SUBTOTAL ABOVE	**26258**	**11496**	**52328**	**25384**
STAPLE	53140	40986	50107	45398
TOW	800	1732	1004	2317
TOPS	55	6	148	8
SUBTOTAL ABOVE	**53995**	**42724**	**51259**	**47723**
WASTE	**574**	**110**	**206**	**49**
SYNTHETIC (NONCELLULOSIC) FIBERS				
FILAMENT YARN				
NYLON				
HIGH TENACITY	19511	7284	36494	15600
TEXTURED				
UP TO 450 DENIER	3550	1926	8844	5093
OVER 450 DENIER	14098	16252	16308	21830
OTHER	47182	20431	77096	37839
MONOFILAMENTS & STRIPS	1303	970	4983	3717
SUBTOTAL ABOVE	**85644**	**46863**	**143725**	**84079**
POLYESTER				
HIGH TENACITY	7810	2751	11120	3997
TEXTURED	18939	4926	20716	6169
POY	16274	2680	13290	2331
OTHER	18931	9886	30409	17159
MONOFILAMENTS & STRIPS	737	251	1642	715
SUBTOTAL ABOVE	**62691**	**20494**	**77177**	**30371**
OTHER SYNTHETIC FILAMENT				
TEXTURED	19246	11091	21603	11920
OTHER	7774	1708	22532	4098
MONOFILAMENTS & STRIPS	6890	3560	23405	19868
SUBTOTAL ABOVE	**33910**	**16359**	**67540**	**35886**
STAPLE				
NYLON	21711	19618	29771	24215
POLYESTER	117697	54762	84212	33947
ACRYLIC	17937	9407	19176	9409
POLYPROPYLENE	2093	962	1942	1002
OTHER	4373	1365	6558	2656
TOW				
NYLON	4493	2731	4930	2982
POLYESTER	969	357	1185	474
ACRYLIC	19583	12869	23618	13618
OTHER	584	350	630	428
TOPS	2977	1394	6027	2597
SUBTOTAL ABOVE	**192417**	**103815**	**178049**	**91328**
WASTE				
NYLON	23982	11536	7826	4086
POLYESTER	17038	13148	4766	3661
OTHER	7001	4358	1744	1150
TOTAL MANUFACTURED FIBERS ABOVE	**503510**	**270903**	**584620**	**323717**
OTHER MFRD. FIBER YARN & THREAD				
SEWING THREAD				
FILAMENT	1375	470	7184	3257
SPUN YARN	5129	2812	15736	9257
SPUN YARNS				
SYNTHETIC	48773	14227	80416	25633
ARTIFICIAL	0	0	0	0
PUT UP FOR RETAIL SALE	591	335	2696	1578
GRAND TOTAL ABOVE	**559378**	**288747**	**690652**	**363442**

SOURCE: U.S. Census Bureau Report IM146.

TABLE 4:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	THOUSAND POUNDS		THOUSAND DOLLARS	
	1989	6 MOS. 1990	1989	6 MOS. 1990
ARTIFICIAL (CELLULOSIC) FIBER				
FILAMENT YARN				
HIGH TENACITY	956	381	1764	688
TEXTURED	1977	755	2198	1319
OTHER	974	357	1477	967
MONOFILAMENTS & STRIPS	362	152	637	292
SUBTOTAL ABOVE	**4269**	**1645**	**6076**	**3266**
STAPLE	19196	9229	18713	9157
TOPS	895	966	269	321
SUBTOTAL ABOVE	**20091**	**10195**	**18982**	**9478**
WASTE	**11554**	**3088**	**5132**	**1501**
SYNTHETIC (NONCELLULOSIC) FIBERS				
FILAMENT YARN				
NYLON				
HIGH TENACITY	108014	59031	154954	82257
TEXTURED				
UP TO 450 DENIER	9182	6425	35982	31248
OVER 450 DENIER	50037	26713	92442	50629
OTHER	25207	14702	57969	34366
MONOFILAMENTS & STRIPS	1908	243	3345	807
SUBTOTAL ABOVE	**194348**	**107114**	**344692**	**199307**
POLYESTER				
HIGH TENACITY	39124	28278	50197	36456
TEXTURED	33544	21641	45252	29302
POY	16687	11493	21369	10672
OTHER	10354	10002	15841	12322
MONOFILAMENTS & STRIPS	3187	1028	6648	2435
SUBTOTAL ABOVE	**102896**	**72442**	**139307**	**91187**
OTHER SYNTHETIC FILAMENT				
TEXTURED	9165	3266	15393	7961
OTHER	20443	15263	84570	41151
MONOFILAMENTS & STRIPS	8874	7124	27904	26086
SUBTOTAL ABOVE	**38482**	**25653**	**127867**	**75198**
STAPLE				
NYLON	32261	15467	38497	18598
POLYESTER	111985	45996	87131	28872
ACRYLIC	73604	26640	54364	17483
POLYPROPYLENE	27344	14507	24140	16238
OTHER	19593	8956	62761	22862
TOW				
NYLON	992	1092	2375	2077
POLYESTER	4244	240	6650	347
ACRYLIC	18532	8193	16092	8034
OTHER	1398	975	3117	1205
TOPS	32592	21075	35676	19491
SUBTOTAL ABOVE	**322545**	**143141**	**330803**	**135207**
WASTE				
NYLON	29594	22103	12816	10837
POLYESTER	41872	16645	18927	7011
OTHER	69923	27561	25073	11265
TOTAL MANUFACTURED FIBERS ABOVE	**835574**	**429587**	**1029675**	**544257**
OTHER MFRD. FIBER YARN & THREAD				
SEWING THREAD				
FILAMENT	732	211	3278	1172
SPUN YARN	0	0	0	0
SPUN YARNS				
SYNTHETIC	36078	23331	60269	38167
ARTIFICIAL	0	0	0	0
PUT UP FOR RETAIL SALE	7985	3576	13662	10621
GRAND TOTAL ABOVE	**880369**	**456705**	**1106884**	**594217**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 5:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW			E. SYNTHETIC (NONCELL.) STAPLE+TOW		
COUNTRY	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990
AUSTRIA	0	0	0	1	0	0	111	56	508	0	0	0	105	5	19
BELGIUM/ LUXEMBOURG	1638	10	0	12286	9164	6311	29558	35509	22138	2028	1503	1277	9656	12913	6441
DENMARK	0	0	0	911	375	21	176	3547	742	0	1	0	1920	112	2
FINLAND	0	0	0	156	308	544	1283	651	0	2	0	0	405	318	132
FRANCE	47	13	41	2912	784	336	1178	1973	1411	149	40	23	3100	1150	269
GERMANY, FED. REP. OF	174	362	209	1782	4220	2506	2796	6335	5002	121	76	123	5531	2700	475
GREECE	0	0	0	110	19	73	54	53	42	23	0	0	51	49	2
ICELAND	0	0	0	0	0	0	0	119	72	0	0	0	229	17	39
IRELAND	0	86	223	1635	1475	2744	739	2969	1331	235	795	0	1921	365	529
ITALY	210	9	7	599	972	941	1489	988	4866	27	149	72	9617	1388	2053
NETHERLANDS	3	594	208	1012	826	165	1040	4717	3628	6	14	7	8645	6523	936
NORWAY	0	0	0	51	0	1	39	70	69	42	0	0	478	17	16
PORTUGAL	0	+	0	636	219	339	2	734	2133	0	0	0	32	45	150
SPAIN	1	0	20	6587	4813	3436	397	3598	3964	10	0	0	5201	2072	1010
SWEDEN	30	0	0	194	109	105	1629	1682	1042	11	0	0	2654	1219	156
SWITZERLAND	0	0	0	16	10	0	54	356	100	13	0	0	2658	254	52
TURKEY	0	0	0	5730	2773	654	31732	32106	9170	0	14	0	8266	222	105
UNITED KINGDOM	71	38	155	8575	6279	2673	7935	10006	6482	268	465	76	6585	5125	1715
OTHER	0	0	0	5	0	0	7	+	578	0	0	0	0	0	482
TOTAL WESTERN EUROPE	2174	1112	861	43198	32348	20849	80219	105469	63278	2935	3057	1578	67052	34495	14583
CZECHOSLOVAKIA	0	0	0	0	0	0	1592	826	139	0	0	0	675	1649	60
GERMANY, DEM. REP.	0	0	0	1	168	0	0	0	0	0	0	0	5	0	0
HUNGARY	516	0	0	0	5	0	0	21	0	0	0	0	0	1049	0
POLAND	0	1009	177	459	106	0	14	220	14	0	0	0	14639	6406	589
U.S.S.R.	0	84	0	0	0	2341	96	821	257	0	0	0	0	133	0
YUGOSLAVIA	0	0	0	0	18	0	0	354	0	0	0	0	0	0	19
OTHER	0	0	0	0	0	0	8	48	0	0	0	0	0	0	0
TOTAL EASTERN EUROPE	516	1093	177	460	297	2341	1710	1690	410	0	0	0	15319	9237	668
CANADA	1925	319	316	36708	34940	23628	12470	15947	14923	663	1616	1277	75933	61113	30106
ARGENTINA	0	325	14	83	186	98	76	248	141	0	5	0	408	534	28
BOLIVIA	0	0	0	69	36	0	15	10	0	0	0	0	34	38	0
BRAZIL	45	55	28	1273	48	0	1797	2796	1382	3	30	0	1038	1571	1647
CHILE	11	3	6	86	521	261	132	197	212	131	78	0	15398	10036	6133
COLOMBIA	0	46	24	141	171	205	2667	1107	980	1773	3613	998	4452	5606	3242
COSTA RICA	0	0	0	1052	759	95	197	902	357	7	8	4	4410	7521	5288
DOMINICAN REPUBLIC	40	2	2	1412	678	364	95	1039	457	16	17	2	284	807	378
ECUADOR	0	5	1	717	161	524	33	725	391	115	134	202	8494	5987	3338
EL SALVADOR	0	0	0	120	195	75	331	272	25	1138	162	0	7200	10899	6242
GUATEMALA	0	0	0	1370	1100	507	5	426	33	119	0	107	7509	7596	3216
HAITI	0	0	0	232	112	44	5	76	1	3	6	0	1	53	0
HONDURAS	2	0	0	279	165	84	11	115	162	0	0	0	1792	2566	1634
JAMAICA	0	0	0	516	10	7	78	967	417	0	8	0	49	314	18
LEEWARD & WINDWARD ISL	0	0	0	2	0	0	0	0	0	0	8	0	8	0	0
MEXICO	227	325	140	3106	3299	1924	4332	5659	3146	13119	7510	4361	19526	37110	18374
PANAMA	14	0	0	143	8	0	59	87	10	0	1	0	16	12	47
PARAGUAY	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0
PERU	0	0	0	80	1960	330	156	173	180	214	87	44	7	5	255
TRINIDAD	0	0	35	57	65	21	4	42	4	0	0	0	6	36	4
URUGUAY	0	0	0	54	4	0	1	78	214	0	0	0	522	431	206
VENEZUELA	70	3	0	1808	221	62	826	412	257	2433	947	48	2707	418	1763
OTHER	19	1	0	183	13	15	6	194	8	2	0	0	67	70	54
TOTAL OTHER AMERICAS	428	765	250	12783	9712	4616	10851	15525	8377	19073	12582	8766	73928	81410	51867

See footnotes opposite.

TABLE 5:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW			E. SYNTHETIC (NONCELL.) STAPLE+TOW		
COUNTRY	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990	1988	1989	6 MOS. 1990
HONG KONG	5	+	15	373	139	64	501	1382	479	483	440	0	11170	6150	4908
INDIA	85	0	0	182	8	2	3171	2932	807	278	0	0	1320	1435	889
INDONESIA	0	0	0	79	175	0	7809	18371	9137	45	+	840	519	1268	1445
KOREA, REP. OF	2000	42	6	1462	400	167	2151	1844	2230	288	28	9	13731	21999	11239
MALAYSIA	13	0	0	1	85	0	10	27	20	33	88	0	278	72	0
PAKISTAN	0	0	0	370	86	0	67	523	126	0	0	556	587	637	323
PHILIPPINES	23	3	0	334	694	66	777	652	248	7	30	9	5290	6395	138
SINGAPORE	0	+	0	2	10	120	959	532	364	3	0	0	129	15	72
TAIWAN	999	1	0	596	136	618	4679	5370	2141	354	37	70	23674	27324	7349
THAILAND	35	0	0	105	188	70	344	742	653	0	36	0	3141	3565	1078
TOTAL OTHER ASIA	3160	46	21	3504	1921	1107	20468	32375	16205	1491	659	1484	59839	68860	27441
CHINA, PRC	3460	778	0	6586	9002	932	2132	2557	1449	44	1757	8	84557	34497	5223
JAPAN	78	0	5	10464	6545	3982	17964	20101	8336	219	168	14	7011	8054	6611
ALGERIA	0	0	0	82	0	385	5	0	157	13	0	0	0	0	0
AUSTRALIA	745	11	15	14406	13721	5793	2009	11831	6502	79	181	13	8839	2423	3173
CAMEROON	0	0	0	118	12	23	0	0	0	0	0	0	0	75	0
EGYPT	0	0	0	315	2067	1324	150	227	1531	0	0	0	931	4770	2084
IRAQ	0	0	0	831	325	0	0	0	0	0	0	0	0	0	0
ISRAEL	55	32	0	1455	1400	0	6440	5900	0	5	38	0	886	721	0
JORDAN	0	0	0	55	34	32	0	29	123	0	0	0	0	31	0
KENYA	0	0	0	0	0	0	0	0	0	0	0	0	0	208	43
LEBANON	0	0	0	230	36	0	157	37	1820	0	0	0	0	14	0
MOROCCO	0	0	0	2030	1248	492	16	2279	5487	0	0	31	718	402	45
NEW ZEALAND	44	4	0	1145	1217	256	175	1441	707	10	33	0	318	251	71
NIGERIA	0	0	0	251	310	3	76	0	31	0	0	0	306	7	0
QATAR	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
SAUDI ARABIA	0	21	0	2113	1572	475	54	386	10	14	0	0	543	589	204
SOUTH AFRICA	72	1	0	1055	436	10	182	1062	6102	9	0	32	2918	4523	972
SYRIA	0	0	0	3019	1000	3002	159	158	36	0	0	0	0	31	0
TUNISIA	0	0	0	404	152	35	1	14	0	0	0	0	0	43	0
UNITED ARAB EMIRATES	0	0	0	14	45	0	0	2	67	0	0	0	0	75	5
OTHER	0	87	0	812	277	253	1	81	120	0	0	0	0	716	46
TOTAL M.E., A., & O..	916	156	15	28135	23852	12083	9426	23447	22693	130	252	78	15461	14879	8643
GRAND TOTAL	12657	4269	1645	141838	118615	69538	155240	217111	135671	24555	20091	10195	399100	322545	143141

SOURCE: U.S. Census Bureau Report EM546.
\+ Less than 1 thousand pounds

For 1988 the commodity numbers are :

A. 309.0110, .2210, 310.0006 & .0026.
B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044.
C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.
D. 309.4219 & .4222.
E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

For 1989 & 1990 the Harmonized Tariff Schedule numbers are:

A 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.31.10.00 - 5403.39.00.40, 5403.41.00.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.

B. 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.39.00.00, 5402.39.30.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.00, 5402.39.60.10 & 5402.39.60.90.

C. 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.30, 5402.49.00.60, 5402.49.00.80, 5402.49.40.00, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00.

D. 5504.10.00.00, 5504.90.00.00 & 5507.00.00.00.

E. 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.

TABLE 6:
U.S. PRODUCTION OF HOSIERY, 1980 -1989
MILLION DOZEN PAIRS

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
WOMEN'S										
PANTYHOSE - SHEER	57.3	59.6	58.5	64.0	67.1	57.9	57.3	53.7	51.9	46.2
- ELASTOMER	36.7	39.0	43.2	47.6	39.4	49.0	52.0	56.0	64.7	65.9
- OTHER[a]	2.0	2.4	3.4	5.0	7.4	7.3	8.8	10.2	8.6	7.5
SUBTOTAL PANTYHOSE	**96.0**	**101.0**	**105.1**	**116.6**	**113.9**	**114.2**	**118.1**	**119.9**	**125.2**	**119.6**
STOCKINGS - NONSTRETCH	2.0	1.8	1.5	1.5	1.3	1.2	1.3	1.6	1.2	1.7
- STRETCH	2.4	2.1	2.4	2.7	2.5	2.2	1.8	2.2	2.2	2.8
- SUPPORT	0.7	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.3	0.6
- OTHER	0.1	0.1	0.1	+	+	0.1	0.1	+	0.1	+
SUBTOTAL STOCKINGS	**5.2**	**4.6**	**4.5**	**4.8**	**4.2**	**3.9**	**3.5**	**4.2**	**3.8**	**5.1**
SHEER KNEE-HIGHS & ANKLETS	38.4	42.6	38.1	40.3	44.0	42.2	45.3	42.8	40.9	42.2
TOTAL WOMEN'S	**139.6**	**148.2**	**147.7**	**161.7**	**162.1**	**160.3**	**166.9**	**166.9**	**169.9**	**166.9**
MEN'S (SIZES 10 and up)										
ANKLETS & FOOTSOCKS	27.9	27.8	27.1	27.2	26.8	26.0	26.6	26.9	24.1	24.9
MID-CALF	17.4	19.9	17.3	17.8	17.7	17.6	19.6	18.9	21.9	22.5
KNEE-HIGHS	17.8	20.7	17.6	21.5	23.9	23.8	21.5	18.4	21.2	20.6
TOTAL MEN'S	**63.1**	**68.4**	**62.0**	**66.5**	**68.4**	**67.4**	**67.7**	**64.2**	**67.2**	**68.0**
GIRLS', BOYS' & WOMEN'S (SIZES 8 -11)										
ANKLETS	12.5	14.6	11.9	17.3	19.5	19.4	27.4	29.1	29.8	37.8
KNEE-HIGHS	24.3	29.8	23.4	25.7	20.2	17.0	13.7	11.4	11.1	8.9
MID-CALF/CREW	3.1	4.5	4.0	4.9	4.5	6.2	8.2	12.1	14.9	19.4
WAIST-HIGHS	0.3	0.5	0.5	0.5	0.5	0.6	0.5	0.7	0.7	0.7
FOOTSOCKS	8.6	9.4	6.5	5.8	5.2	6.1	6.4	5.9	4.6	3.4
TOTAL GIRLS', BOYS' & WOMEN'S	**48.8**	**58.8**	**46.3**	**54.2**	**49.9**	**49.3**	**56.2**	**59.2**	**61.1**	**70.2**
INFANTS' & CHILDREN'S (SIZES 3 - 6 1/2)										
ANKLETS	19.3	20.5	16.1	16.5	15.5	14.2	16.6	16.9	17.0	21.4
KNEE-HIGHS	6.6	7.7	6.7	7.0	5.8	4.6	3.5	3.3	3.9	3.4
MID-CALF	1.3	1.2	1.4	1.4	3.6	5.7	6.7	7.9	10.8	14.9
WAIST-HIGHS & FOOTSOCKS	1.6	1.8	1.6	2.1	2.3	1.8	1.6	1.5	1.7	1.5
TOTAL INFANTS' & CHILDREN'S	**28.8**	**31.2**	**25.8**	**27.0**	**27.2**	**26.3**	**28.4**	**29.6**	**33.4**	**41.2**
TOTAL HOSIERY	**280.3**	**306.6**	**281.8**	**309.4**	**307.6**	**303.3**	**319.2**	**319.9**	**331.6**	**346.3**

SOURCE: National Association of Hosiery Manufactures - ***1989 Hosiery Statistics.***

\+ Less than 100 thousand dozen pairs.

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 7:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1990	1989
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	67	3	1	89	68	83	159	69					539	150
BRAZIL	26	53	53	74	165	107	82	83					643	514
CANADA	628	303	171	405	377	432	350	555					3221	4912
CHILE	0	309	66	44	287	44	111	0					861	224
GERMANY, FED. REP. OF	422	516	844	684	783	506	528	557					4840	4802
IRELAND	145	0	36	35	34	36	105	0					391	457
JAPAN	104	72	111	104	170	164	29	117					871	909
KOREA, REP. OF	0	22	33	22	29	0	11	0					117	180
MEXICO	102	4	121	78	100	116	149	171					841	1122
NETHERLANDS	282	264	345	178	275	483	317	444					2588	1999
UNITED KINGDOM	34	22	60	0	38	52	51	64					321	716
ALL OTHER COUNTRIES [a]	21	56	22	49	25	42	37	87					339	832
TOTAL ARTIFICIAL YARN	1831	1624	1863	1762	2351	2065	1929	2147					15572	16907
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	319	493	108	1254	910	2497	1851	2076					9508	3121
CANADA	4973	3854	4391	4333	4128	4049	4139	3767					33634	25859
GERMANY, FED. REP. OF	89	134	257	322	347	243	484	760					2636	999
JAPAN	143	204	126	131	238	69	176	144					1231	1868
POLAND	124	171	43	46	0	109	35	0					528	189
SWEDEN	118	71	49	72	0	4	24	199					537	115
SWITZERLAND	0	27	0	14	0	0	0	41					82	510
TAIWAN	354	988	1323	964	1732	1242	1294	1576					9473	904
UNITED KINGDOM	89	93	73	37	162	46	917	1116					2533	851
ALL OTHER COUNTRIES [b]	95	59	91	18	32	866	3074	2860					7095	2819
TOTAL ARTIFICIAL STAPLE+TOW	6304	6094	6461	7191	7549	9125	11994	12539					67257	37035
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
ARGENTINA	0	0	43	34	9	0	81	26					193	1605
BELGIUM	776	122	589	594	1384	786	322	457					5030	2174
BRAZIL	70	71	57	180	118	76	47	14					633	958
CANADA	3834	2895	4150	3775	4492	3853	4734	5215					32948	24387
COSTA RICA	762	517	497	482	787	470	366	294					4155	3747
ECUADOR	53	16	67	87	75	34	68	34					414	446
FRANCE	2007	1305	1065	1378	1223	1302	915	495					9690	8584
GERMANY, FED. REP. OF	2096	2021	1480	1546	2024	1917	2195	2261					15540	19828
ITALY	892	434	593	905	861	313	755	313					5066	5157
JAPAN	760	658	505	573	356	622	469	615					4558	5261
KOREA, REP. OF	31	0	90	20	46	42	72	39					340	376
MEXICO	1393	900	1607	1396	1145	1967	2063	1966					12437	18645
NETHERLANDS	103	305	921	219	117	195	231	209					2300	1500
PORTUGAL	62	234	49	42	62	0	0	0					449	340
SINGAPORE	16	16	0	0	33	0	33	0					98	123
TAIWAN	791	227	114	818	437	959	315	542					4203	14045
THAILAND	58	93	95	123	64	65	66	79					643	765
UNITED KINGDOM	1881	1492	2076	1029	1282	1718	1195	1140					11813	12842
ALL OTHER COUNTRIES [c]	351	85	147	79	79	91	122	194					1148	2869
TOTAL SYNTHETIC YARN	15936	11391	14145	13240	14594	14410	14049	13893					111658	123652
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0	53	11	11	6	14	6	0					101	105
AUSTRALIA	38	120	30	72	63	106	89	88					606	560
BELGIUM	1	16	0	158	0	78	15	350					618	721
CANADA	3703	2439	3082	2325	2156	1402	1950	2210					19267	8726
FRANCE	592	297	769	436	558	364	529	368					3913	2571
GERMANY, FED. REP. OF	1017	1236	1063	1205	1618	1398	1044	964					9545	12766
INDIA	1731	1055	4215	0	2528	1752	1810	599					13690	12595
IRELAND	0	26	0	0	0	84	80	121					311	1449
ITALY	422	318	504	204	206	176	85	88					2033	1486
JAPAN	1754	1763	2307	1539	1531	1874	2013	2150					14931	17681
KOREA, REP. OF	1786	1273	1778	2043	3441	4750	4477	3887					23435	31789
MEXICO	3590	2041	2015	2355	3385	1382	932	1002					16702	5478
NETHERLANDS	1	0	57	20	10	20	0	24					132	1113
SPAIN	35	0	0	0	0	93	32	29					189	418
SWITZERLAND	399	124	87	385	107	280	105	220					1707	1234
TAIWAN	888	572	931	1400	1476	1215	1458	1365					9305	8581
TURKEY	112	114	0	0	0	0	76	0					302	361
UNITED KINGDOM	2249	1868	2834	2159	2242	1157	828	841					14178	14727
ALL OTHER COUNTRIES [d]	549	526	137	92	219	1362	1099	25					3809	454
TOTAL SYNTHETIC STAPLE+TOW	18867	13641	19850	14404	19546	17507	16628	14331					134774	122815

a. Italy 90, Ecuador 67, France 36, Australia 35, India 34, Taiwan 22, Belgium 20, Uruguay 13, Turkey 12, Thailand 6, Hungary 3, Hong Kong 1.

b. Finland 2634, Spain 2107, Thailand 1085, Yugoslavia 397, China, PRC 351, Italy 151, Mexico 119, France 86, Netherlands 81, Venezuela 74, Brazil 7, Czechoslovakia 3.

c. Spain 268, Ireland 235, Switzerland 100, Turkey 99, Paraguay 83, El Salvador 80, Sweden 59, Morocco 47, Austria 44, Hong Kong 44, Finland 22, China, PRC 19, India 15, Yugoslavia 8, Haiti 6, Colombia 5, Greece 5, Honduras 5, Australia 2, Dominican Republic 2.

d. Brazil 2308, Venezuela 395, China, PRC 321, Thailand 209, Sweden 180, Malaysia 136, Romania 86, Hong Kong 64, Denmark 63, Poland 47.

TABLE 8:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1990	1989
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	242	208	240	163	110	92	266	421					1742	1724
TEXTURED	54	8	0	33	32	81	32	43					283	787
OTHER	1385	1371	1471	1528	2171	1855	1524	1682					12987	13633
MONOFILAMENTS & STRIPS	150	37	152	38	38	37	107	1					560	763
SUBTOTAL ABOVE	1831	1624	1863	1762	2351	2065	1929	2147					15572	16907
STAPLE	5989	5884	6154	6846	7218	8895	11534	11829					64349	36727
TOW	312	210	307	342	331	230	460	710					2902	253
TOPS	3	0	0	3	0	0	0	0					6	55
SUBTOTAL ABOVE	6304	6094	6461	7191	7549	9125	11994	12539					67257	37035
WASTE	0	0	0	22	0	88	44	11					165	494
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1435	856	1437	1000	1336	1220	1207	1272					9763	12193
TEXTURED														
UP TO 450 DENIER	270	333	253	338	520	212	297	327					2550	2641
OVER 450 DENIER	2936	1350	2132	3039	3721	3074	3821	2935					23008	8790
POY	0	0	0	0	0	0	1712	2149					3861	0
OTHER	4531	3817	4273	2090	2435	3285	340	579					21350	32366
MONOFILAMENTS & STRIPS	216	117	148	191	134	164	152	123					1245	844
SUBTOTAL ABOVE	9388	6473	8243	6658	8146	7955	7529	7385					61777	56834
POLYESTER														
HIGH TENACITY	614	408	506	421	345	457	545	580					3876	5698
TEXTURED	785	643	626	923	581	1368	1278	1112					7316	14197
POY	719	119	117	758	251	716	206	472					3358	13305
OTHER	2038	1457	1459	1683	1949	1300	1243	1839					12968	12349
MONOFILAMENTS & STRIPS	53	0	67	40	53	38	57	76					384	466
SUBTOTAL ABOVE	4209	2627	2775	3825	3179	3879	3329	4079					27902	46015
OTHER SYNTHETIC FILAMENT														
TEXTURED	1451	1408	2224	1880	2281	1847	2207	1905					15203	13155
OTHER	277	223	301	276	307	324	410	284					2402	3631
MONOFILAMENTS & STRIPS	611	660	602	601	681	405	574	540					4674	4017
SUBTOTAL ABOVE	2339	2291	3127	2757	3269	2576	3191	2729					22279	20803
STAPLE														
NYLON	4048	3037	4055	3032	3267	2179	2715	3119					25452	12810
POLYESTER	9261	5813	9622	6652	12118	11296	10832	8084					73678	72391
ACRYLIC	1711	1729	2063	1586	860	1458	1273	890					11570	12302
POLYPROPYLENE	543	37	160	27	105	90	173	168					1303	1313
OTHER	196	190	320	146	151	362	251	256					1872	3439
TOW														
NYLON	409	308	555	385	603	471	647	408					3786	2836
POLYESTER	15	70	70	2	26	174	161	146					664	622
ACRYLIC	2512	1973	2649	2252	2133	1350	513	967					14349	14122
OTHER	70	5	35	105	135	0	8	67					423	412
TOPS	102	479	321	217	148	127	57	226					1677	2568
SUBTOTAL ABOVE	18867	13641	19850	14404	19546	17507	16628	14331					134774	122815
WASTE														
NYLON	2694	2074	1628	1933	1267	1940	2123	1864					15523	15627
POLYESTER	2703	2241	1882	1067	3127	2128	1675	1978					16801	8498
OTHER	444	571	1027	602	838	876	568	819					5745	4021
TOTAL MANUFACTURED FIBERS ABOVE	48779	37636	46856	40221	49272	48139	49010	47882					367795	329049
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	115	59	54	62	59	121	89	147					706	808
SPUN YARN	427	503	318	594	534	436	436	608					3856	3633
SPUN YARNS														
SYNTHETIC	2420	2155	2639	1902	2841	2270	1903	1731					17861	37456
ARTIFICIAL	0	0	0	0	0	0	0	0					0	0
PUT UP FOR RETAIL SALE	32	24	70	34	87	88	106	156					597	479
GRAND TOTAL ABOVE	51773	40377	49937	42813	52793	51054	51544	50524					390815	371425

SOURCE: U.S. Census Bureau Report IM145X.

TABLE 9:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	92	37	44	6	45	157	260	52					693	330
TEXTURED	217	9	30	284	101	114	104	92					951	1602
OTHER	66	106	57	64	46	18	63	64					484	952
MONOFILAMENTS & STRIPS	97	0	15	11	26	3	9	15					176	237
SUBTOTAL ABOVE	472	152	146	365	218	292	436	223					2304	3121
STAPLE	1195	2051	1838	1329	1645	1171	1168	1717					12114	14554
TOPS	333	0	203	187	185	58	0	110					1076	440
SUBTOTAL ABOVE	1528	2051	2041	1516	1830	1229	1168	1827					13190	14994
WASTE	330	407	614	547	603	587	329	471					3888	8880
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	7757	7357	9332	8892	15463	10230	8865	10506					78402	76164
TEXTURED														
UP TO 450 DENIER	1571	588	626	2098	791	751	644	867					7936	5927
OVER 450 DENIER	5636	4353	5225	4130	3350	4019	3295	4157					34165	34574
OTHER	2637	2264	3143	2401	2191	2066	1248	2562					18512	16733
MONOFILAMENTS & STRIPS	8	32	93	33	42	35	14	12					269	1738
SUBTOTAL ABOVE	17609	14594	18419	17554	21837	17101	14066	18104					139284	135136
POLYESTER														
HIGH TENACITY	4308	5166	5459	4737	3944	4664	3644	3610					35532	27326
TEXTURED	3074	3021	4078	3508	3650	4310	1507	3938					27086	23335
POY	1831	2368	1287	1783	2918	1306	749	966					13208	10067
OTHER	1297	1746	1824	1275	2294	1566	1061	2504					13567	7021
MONOFILAMENTS & STRIPS	185	285	91	93	188	186	116	137					1281	2011
SUBTOTAL ABOVE	10695	12586	12739	11396	12994	12032	7077	11155					90674	69760
OTHER SYNTHETIC FILAMENT														
TEXTURED	535	523	549	801	424	434	461	758					4485	6866
OTHER	2035	2007	2279	2972	4061	1909	1369	2229					18861	12420
MONOFILAMENTS & STRIPS	876	913	1664	1218	1223	1230	831	1160					9115	6456
SUBTOTAL ABOVE	3446	3443	4492	4991	5708	3573	2661	4147					32461	25742
STAPLE														
NYLON	3163	2765	2343	3257	2210	1729	1591	1908					18966	23355
POLYESTER	7157	6405	9490	7701	8861	6382	4256	5919					56171	85480
ACRYLIC	4584	3178	3882	3938	4697	6363	4961	6581					38182	53238
POLYPROPYLENE	2038	1561	2666	3226	2211	2805	2562	2342					19411	14938
OTHER	2688	923	1504	961	1818	1062	802	1559					11317	13830
TOW														
NYLON	121	176	155	304	145	191	152	128					1372	583
POLYESTER	18	64	0	100	6	52	321	54					615	2989
ACRYLIC	1710	1787	989	956	1245	1506	2418	2856					13467	12550
OTHER	26	12	15	243	0	679	7	504					1486	820
TOPS	3984	2729	2309	4760	2552	4741	7817	5715					34607	14105
SUBTOTAL ABOVE	25489	19600	23353	25444	23745	25510	24887	27566					195594	221888
WASTE														
NYLON	4117	4250	3894	2746	3957	3139	3630	2527					28260	17998
POLYESTER	3268	2845	2782	3321	2596	1833	1190	1860					19695	29559
OTHER	3343	3700	4979	4352	4994	6193	3494	7610					38665	53982
TOTAL MANUFACTURED FIBERS ABOVE	70297	63628	73459	72232	78482	71489	58938	75490					564015	581060
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	28	45	32	25	68	13	128	3					342	401
SPUN YARN	0	0	0	0	0	0	0	0					0	0
SPUN YARNS														
SYNTHETIC	3007	4304	3749	4278	4103	3890	3415	5684					32430	23275
ARTIFICIAL	0	0	0	0	0	0	0	0					0	0
PUT UP FOR RETAIL SALE	287	398	641	746	789	715	970	927					5473	5056
GRAND TOTAL ABOVE	73619	68375	77881	77281	83442	76107	63451	82104					602260	609792

SOURCE: U.S. Census Bureau Report EM522

TABLE 10:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA 1989				QUARTERLY DATA 1990			
		1986	1987	1988	1989	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN		*(N) NYLON*				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY [b]	N	95.1	93.2	100.3	j	j	j	j	j	j	j		
OTHER CIRCULAR KNIT [c]	N	21.3	25.3	26.4	139.1	32.5	33.8	34.8	38.0	29.8	34.7		
	P	150.3	102.8	119.5	132.4	40.4	33.5	31.1	27.4	22.7	26.0		
	C	2.0	1.1	0.6	0.5	0.2	0.1	0.1	0.1	0.2	0.2		
FLAT KNIT	C	47.8	27.9	24.3	21.4	6.1	7.5	3.7	4.1	5.1	4.5		
	N	133.8	131.4	133.4	125.2	36.0	34.4	29.8	25.0	23.3	26.2		
	P	167.1	162.5	162.1	181.0	46.0	47.7	44.5	42.8	38.7	44.3		
CARPET FACE	N	881.4	916.0	938.3	932.3	225.0	233.8	243.7	229.8	239.6	232.1		
	O	215.7	244.5	266.6	249.9	69.0	63.3	60.2	57.4	84.7	89.5		
CARPET BACKING [d]	O	404.1	425.3	427.0	463.4	105.4	123.4	120.6	114.0	116.7	117.3		
OTHER BROAD WOVEN [e]	C	126.3	122.8	141.9	149.4	35.6	38.5	37.8	37.5	33.8	37.0		
	N	76.2	79.4	78.3	88.8	21.1	22.6	21.9	23.2	24.9	24.1		
	P	344.4	379.4	391.3	366.3	100.7	106.1	80.7	78.8	84.3	93.3		
	O	271.5	317.7	337.3	337.5	88.8	84.3	83.6	80.8	91.1	111.8		
NARROW WOVEN [f]	C	2.0	2.2	4.4	4.4	1.7	0.8	1.0	0.9	0.8	1.3		
	N	33.9	42.1	42.0	36.9	9.5	10.2	8.4	8.8	8.2	8.8		
	P	44.0	66.2	81.0	76.4	18.8	23.2	20.0	14.4	16.6	17.9		
	O	17.5	17.7	19.0	19.8	4.8	4.7	5.2	5.1	3.9	4.4		
TIRES, INCL. CHAFER [g]	N	134.2	143.0	132.2	135.7	34.3	33.6	32.6	35.2	31.0	32.8		
	P	159.3	162.8	171.8	169.3	41.7	43.6	42.3	41.7	40.9	42.6		
OTHER RUBBER INDUSTRY [c g]	N	15.2	16.4	20.4	18.1	4.5	4.4	5.0	4.2	5.0	4.6		
	P	27.2	34.5	25.2	32.7	6.3	8.2	8.9	9.3	8.6	13.0		
ROPE, CORDAGE & FISHLINE	N	36.4	37.9	36.4	34.2	8.8	9.2	7.9	8.3	9.5	9.3		
	P	13.0	13.4	12.5	14.4	3.2	3.8	3.5	3.9	4.0	3.8		
	O	106.3	106.7	120.3	125.6	33.5	30.4	24.9	36.8	28.6	30.6		
ALL OTHER [h]	C	14.0	12.8	11.4	11.6	2.4	3.4	3.0	2.8	0.2	0.3		
	N	52.1	69.6	64.7	65.0	16.2	17.7	16.8	14.3	11.2	10.6		
	P	187.1	191.8	194.0	138.2	34.9	37.5	33.1	32.7	25.9	31.0		
	O	34.1	23.6	29.6	29.8	6.5	9.4	7.1	6.8	10.8	11.8		
TOTAL ABOVE	C	**192.1**	**166.8**	**182.6**	**187.3**	**46.0**	**50.3**	**45.6**	**45.4**	**40.1**	**43.3**		
	N	**1479.6**	**1554.3**	**1572.4**	**1575.3**	**387.9**	**399.7**	**400.9**	**386.8**	**382.5**	**383.2**		
	P	**1092.4**	**1113.4**	**1157.4**	**1110.7**	**292.0**	**303.6**	**264.1**	**251.0**	**241.7**	**271.9**		
	O	**1049.2**	**1195.5**	**1199.8**	**1226.0**	**308.0**	**315.5**	**301.6**	**300.9**	**335.8**	**365.4**		
TOTAL DOMESTIC		**3813.3**	**3970.0**	**4112.2**	**4099.3**	**1033.9**	**1069.1**	**1012.2**	**984.1**	**1000.1**	**1063.8**		
ALSO DIVIDED AS													
APPAREL		*962.4*	*930.2*	*941.2*	*924.7*	*253.4*	*253.3*	*217.1*	*200.9*	*192.5*	*216.6*		
HOME FURNISHINGS		*1738.0*	*1838.4*	*1902.6*	*1927.2*	*468.6*	*498.1*	*489.9*	*470.6*	*509.8*	*515.0*		
INDUSTRIAL		*1112.9*	*1201.4*	*1268.4*	*1247.4*	*311.9*	*317.7*	*305.2*	*312.6*	*297.8*	*332.2*		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		115.8	NA	NA	NA	NA	NA	NA	NA	NA	NA		
POLYESTER		634.6	626.3	649.9	597.3	164.5	164.0	138.7	130.1	123.2	144.6		
OLEFIN		22.9	26.6	24.4	26.0	6.9	4.5	8.0	6.6	7.4	8.0		

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and cellulosic yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Cellulosic yarn quantities included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Nylon quantities are included in Other Circular Knit.

TABLE 11:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA 1986	1987	1988	1989	QUARTERLY DATA 1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1990 1ST Q	1990 2ND Q	1990 3RD Q	1990 4TH Q
(R) RAYON [h] *(N) NYLON*		*(A) ACRYLIC+MODACRYLIC*				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY, SWEATERS & CRAFT YARNS [a]	A	228.8	192.4	183.2	174.5	48.4	47.3	41.5	37.3	41.0	32.0		
	NPR	5.0	3.5	2.7	2.1	0.6	0.4	0.5	0.6	0.6	0.5		
PILE FABRICS [b]	A	23.2	20.8	21.3	20.0	5.1	6.0	5.0	3.9	4.2	4.4		
	P	15.0	19.7	14.7	15.3	3.7	4.0	4.1	3.5	3.5	3.5		
OTHER CIRCULAR KNIT + FLAT KNIT [c]	R	4.7	3.7	2.5	NA	NA	NA	NA	NA	NA	NA		
	A	196.3	185.1	139.0	132.4	35.7	34.9	36.4	25.4	32.5	33.8		
	P	367.8	453.3	470.0	519.5	127.8	131.4	132.0	128.3	123.4	129.1		
BLANKETS [b]	A	26.7	25.7	25.1	29.8	7.4	9.3	8.0	5.1	i	i		
	P	3.7	9.2	6.9	9.2	2.3	2.9	2.4	1.6	1.4	0.6		
OTHER BROAD WOVEN	R	218.0	230.7	243.0	NA	NA	NA	NA	NA	NA	NA		
	N	37.0	38.7	35.2	32.7	8.1	7.8	8.7	8.1	6.2	8.6		
	A	35.3	41.7	39.3	40.5	12.6	11.5	7.9	8.5	13.1	13.3		
	P	885.6	839.2	863.5	821.8	200.8	226.4	197.6	197.0	165.7	173.4		
	O	18.0	20.2	17.1	33.4	5.2	9.0	9.1	10.1	10.4	9.4		
CARPET FACE YARNS [f]	R	0.4	+	0.4	NA	NA	NA	NA	NA	NA	NA		
	N	837.8	905.1	887.7	894.9	226.3	217.3	230.3	221.0	230.2	227.9		
	P	145.0	209.0	261.2	211.6	60.1	51.3	48.6	51.6	48.0	40.1		
	O	117.2	116.2	138.2	137.7	38.5	35.1	32.9	31.2	34.2	36.3		
FIBERFILL [d]	P	294.9	348.6	357.2	349.5	90.4	93.6	79.2	86.3	90.6	90.8		
FLOCK	NP	5.9	5.5	6.9	7.5	1.8	1.7	1.7	2.3	1.9	2.6		
	R	1.8	0.9	0.1	NA	NA	NA	NA	NA	NA	NA		
NONWOVENS [e]	R	125.4	124.4	122.3	NA	NA	NA	NA	NA	NA	NA		
	N	2.1	1.9	2.1	2.4	0.7	0.6	0.6	0.5	0.6	0.7		
	P	175.4	204.2	244.1	271.5	68.0	71.7	65.8	66.0	54.4	60.0		
[g] VINYON+O		166.2	198.0	180.9	183.0	46.1	46.7	46.8	43.4	47.0	53.9		
ALL OTHER	R	20.8	22.7	17.2	NA	NA	NA	NA	NA	NA	NA		
	N	11.9	14.8	13.7	17.8	5.3	3.8	4.3	4.4	3.9	3.2		
	A	20.9	13.6	13.2	17.4	3.7	3.4	4.0	6.3	8.0	10.5		
	P	108.3	115.0	91.3	61.0	21.5	12.9	13.0	13.6	14.8	13.0		
[g] VINYON+O		11.3	6.7	8.0	9.3	1.8	2.7	2.6	2.2	2.4	2.3		
TOTAL ABOVE	**R**	**373.0**	**383.1**	**386.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**		
	N	**894.9**	**966.0**	**944.9**	**955.3**	**242.0**	**231.2**	**245.8**	**236.3**	**242.6**	**243.1**		
	A	**531.2**	**479.3**	**421.1**	**414.8**	**112.9**	**112.4**	**102.8**	**86.7**	**98.8**	**94.0**		
	P	**1998.6**	**2201.0**	**2311.8**	**2261.3**	**575.4**	**594.6**	**543.0**	**548.3**	**502.6**	**510.9**		
[g] VINYON+O		**312.7**	**341.1**	**344.2**	**363.4**	**91.6**	**93.5**	**91.4**	**86.9**	**94.0**	**101.9**		
TOTAL DOMESTIC		**4110.4**	**4370.5**	**4408.0**	**3994.8**	**1021.9**	**1031.7**	**983.0**	**958.2**	**938.0**	**949.9**		
ALSO DIVIDED AS													
APPAREL		*1489.3*	*1479.9*	*1421.6*	*1266.8*	*323.3*	*347.1*	*313.4*	*283.0*	*278.8*	*274.0*		
HOME FURNISHINGS		*1625.8*	*1755.8*	*1827.5*	*1695.7*	*439.0*	*418.4*	*421.2*	*417.1*	*415.8*	*408.9*		
INDUSTRIAL		*995.3*	*1134.8*	*1158.9*	*1032.3*	*259.6*	*266.2*	*248.4*	*258.1*	*243.4*	*267.1*		

NA No longer available.

a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic and nylon quantities are included in All Other.
g. 1987-1990 data exclude Vinyon.
h. Rayon staple+tow data no longer available in 1989 - 1990.
i. Acrylic quantities are included in All Other.

TABLE 12:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1990	1989
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	15.1	15.4	17.4	18.1	17.4	16.9	19.1	17.3	17.6				154.3	165.0
RAYON STAPLE	30.1	25.3	26.3	28.2	25.1	22.6	24.8	25.0	25.3				232.7	281.1
TOTAL ARTIFICIAL (CELLULOSIC)	45.2	40.7	43.7	46.3	42.5	39.5	43.9	42.3	42.9				387.0	446.1
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.9	30.3	28.4	28.4	28.8	27.6	24.9	30.6	32.5				256.4	275.2
- CARPET	86.5	81.1	82.2	85.6	80.1	75.8	71.8	88.4	80.7				732.2	728.2
- TEXTILE	28.9	28.2	29.9	32.0	32.0	31.3	29.0	31.0	31.9				274.2	301.5
POLYESTER - INDUSTRIAL[d]	27.2	28.6	31.8	32.9	30.1	30.2	28.2	29.6	28.5				267.1	276.1
- TEXTILE[f]	56.6	56.2	58.0	69.8	68.4	61.4	59.2	68.9	65.2				563.7	626.0
OLEFIN[e]	107.2	116.5	116.7	124.2	124.5	122.2	117.4	128.2	128.7				1085.6	943.9
TOTAL YARN	331.3	340.9	347.0	372.9	363.9	348.5	330.5	376.7	367.5				3179.2	3150.9
STAPLE+TOW+FIBERFILL														
NYLON	88.8	74.9	86.0	85.0	87.0	77.6	72.2	87.7	81.9				741.1	736.7
ACRYLIC+MODACRYLIC	40.4	39.7	43.2	39.7	43.0	43.8	38.6	45.5	42.1				376.0	414.2
POLYESTER	168.9	175.7	173.3	182.2	176.3	167.6	156.7	180.0	179.2				1559.9	1789.7
OLEFIN	30.3	34.4	35.3	35.1	36.0	37.1	31.4	36.9	34.6				311.1	286.7
TOTAL STAPLE	328.4	324.7	337.8	342.0	342.3	326.1	298.9	350.1	337.8				2988.1	3227.3
TOTAL SYNTHETIC (NONCELLULOSIC)	659.7	665.6	684.8	714.9	706.2	674.6	629.4	726.8	705.3				6167.3	6378.2
TOTAL MANUFACTURED FIBER	704.9	706.3	728.5	761.2	748.7	714.1	673.3	769.1	748.2				6554.3	6824.3
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	9.7	9.9	8.8	9.1	7.6	8.7	8.9	8.3	8.3				8.3	11.6
RAYON STAPLE	20.2	17.2	14.0	14.2	11.9	10.1	12.4	10.6	9.2				9.2	18.1
TOTAL ARTIFICIAL (CELLULOSIC)	29.9	27.1	22.8	23.3	19.5	18.8	21.3	18.9	17.5				17.5	29.7
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	36.8	33.7	33.4	36.0	30.1	35.7	42.2	36.9	34.6				34.6	28.7
- CARPET	60.5	61.2	62.6	63.2	65.4	78.2	82.3	70.2	71.7				71.7	54.6
- TEXTILE[f]	57.0	59.9	64.3	63.5	63.5	62.9	62.1	60.2	57.9				57.9	56.3
POLYESTER - INDUSTRIAL[d]	39.3	40.6	39.5	39.2	37.9	35.8	35.6	35.5	35.7				35.7	33.2
- TEXTILE[f]	94.5	104.9	109.9	106.4	99.7	100.8	100.2	91.5	86.5				86.5	116.8
OLEFIN[e]	68.1	66.6	66.0	63.9	63.8	65.2	63.6	62.6	61.1				61.1	62.3
TOTAL YARN	356.2	366.9	375.7	372.2	360.4	378.6	386.0	356.9	347.5				347.5	351.9
STAPLE+TOW+FIBERFILL														
NYLON	40.1	40.5	37.1	44.3	47.7	60.5	65.3	59.6	58.9				58.9	46.8
ACRYLIC+MODACRYLIC	69.5	70.9	72.8	75.3	78.9	83.2	87.0	86.3	86.0				86.0	66.3
POLYESTER	193.5	195.1	192.9	217.4	210.8	212.4	216.8	197.1	187.0				187.0	218.9
OLEFIN	34.6	33.4	31.5	29.8	28.5	28.6	29.8	29.6	28.3				28.3	30.5
TOTAL STAPLE	337.7	339.9	334.3	366.8	365.9	384.7	398.9	372.6	360.2				360.2	362.5
TOTAL SYNTHETIC (NONCELLULOSIC)	693.9	706.8	710.0	739.0	726.3	763.3	784.9	729.5	707.7				707.7	714.4
TOTAL MANUFACTURED FIBER	723.8	733.9	732.8	762.3	745.8	782.1	806.2	748.4	725.2				725.2	744.1
COTTON CONSUMPTION														
RAW COTTON	317.3	332.1	365.9	327.8	336.8	381.0	293.8	281.8					2636.5	2618.1
WOOL CONSUMPTION[g]	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER							
APPAREL CLASS WOOL	31.7		32.4										64.1	69.9
CARPET CLASS WOOL	3.8		3.6										7.4	7.2
TOTAL RAW WOOL	35.5		36.0										71.5	77.1

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Wool data for 1990 available on a quarterly basis only.**

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- Shipments by Denier
- Indirect Exports

Quarterly

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- Domestic Shipments
- Imports
- Exports
- Shipments by Denier
- Inventories
- Primary End Use
- Secondary End Use
- Waste Shipments
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